

Claims

1. Method for verifying digitized images of persons, in particular, for verifying the suitability of an image of a person for person identification, with the steps:

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segmenting the image of a person into a background area and a head or face area,

analyzing the head or face area to determine at least one characteristic value,

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comparing the at least one characteristic value with at least one predetermined threshold value.

2. Method according to claim 1, wherein the step of segmenting comprises performing a method for object recognition.

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3. Method according to one of the preceding claims, wherein analyzing the head or face area comprises detecting at least one geometric feature of the head or face area.

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4. Method according to claim 3, wherein detecting at least one geometric feature of the head or face area comprises a size and/or shape and/or position and/or spatial orientation of the head or face area within the image of a person.

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5. Method according to one of the preceding claims, wherein analyzing the head or face area comprises detecting at least one reproduction feature of the head or face area.

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6. Method according to claim 5, wherein the at least one reproduction feature that is to be detected comprises a contrast and/or a color distribution and/or a sharpness of the image and/or a brightness and/or a grade of staining and/or a measure for the irradiation of the head or face area.

7. Method according to one of the preceding claims, wherein analyzing the head or face area comprises localizing sub-regions of the head or face area.
- 5 8. Method according to claim 7 with the additional step:
- analyzing the at least one localized sub-region.
9. Method according to one of the preceding claims with the step:
- 10 analyzing the image of a person with respect to global criteria that apply to the entire image of a person.
10. Method according to one of the preceding claims with the step:
- 15 analyzing the background area of the image of a person.
11. Method according to one of the preceding claims with the step:
- 20 determining whether a negatively evaluated image could fulfill the predetermined quality criteria after image correction.
12. A correction method for digitized images of persons and, in particular, for an image of a person, which does not fulfill one or more quality criteria during a verification
- 25 method according to one of the preceding claims, comprising
- correcting at least one image reproduction feature in the entire image and/or the head or face area and/or the background area, and/or
- 30 correcting at least one geometric feature of a head or face area displayed in the image of a person.

13. A data processing means for executing a method according to one of the claims 1 to 11.

14. A data processing means for executing a method according to claim 12.

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15. A data processing means for executing a method according to one of the claims 1 to 11 and for executing a method according to claim 12.

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16. System for quality verification and correction of digitized images of persons comprising

a storage means for storing digitized image data,

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a data processing means according to claim 13 and a data processing means according to claim 14, or

a data processing means according to claim 15.

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17. A system according to claim 16 comprising

an apparatus for generating digitized image data.

18. A system according to claim 16 or 17 comprising

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a display device for displaying whether a verified image or a modified image observes predetermined quality standards.